

# Lesson 7.2 • Functions and Graphs

Name \_\_\_\_\_ Period \_\_\_\_\_ Date \_\_\_\_\_

1. Use the given equations to find the missing output values.

a.  $y = 3 - x$

| Input<br>$x$ | Output<br>$y$ |
|--------------|---------------|
| -4           |               |
| -3           |               |
| -2           |               |
| -1           |               |
| 0            |               |
| 1            |               |
| 2            |               |

b.  $y = -1.5 + 3x$

| Input<br>$x$ | Output<br>$y$ |
|--------------|---------------|
| -2           |               |
| -1.5         |               |
| -1           |               |
| -0.5         |               |
| 0            |               |
| 0.5          |               |
| 1            |               |

c.  $y = 6.8 + 0.5x$

| Input<br>$x$ | Output<br>$y$ |
|--------------|---------------|
| -6           |               |
| -2.4         |               |
| 1            |               |
| 2.8          |               |
| -14          |               |
| 3.1          |               |
| -17.5        |               |

2. Use the given equations to find the missing domain and range values.

a.  $y = -3x + 5$

| Domain<br>$x$ | Range<br>$y$ |
|---------------|--------------|
| -4            |              |
| -2            |              |
|               | 5            |
| 3             |              |
|               | -7           |

b.  $2x - 3y = 6$

| Domain<br>$x$ | Range<br>$y$ |
|---------------|--------------|
|               | 0            |
| 0             |              |
|               | 2            |
| -6            |              |
|               | 5            |

c.  $x^2 - 2y = 11$

| Domain<br>$x$ | Range<br>$y$ |
|---------------|--------------|
| -3            |              |
| 0             |              |
|               | 7            |
| 1             |              |
| 4             |              |

3. Find whether each graph represents a function.

